



## Cassia X2000 Bluetooth Router User Guide

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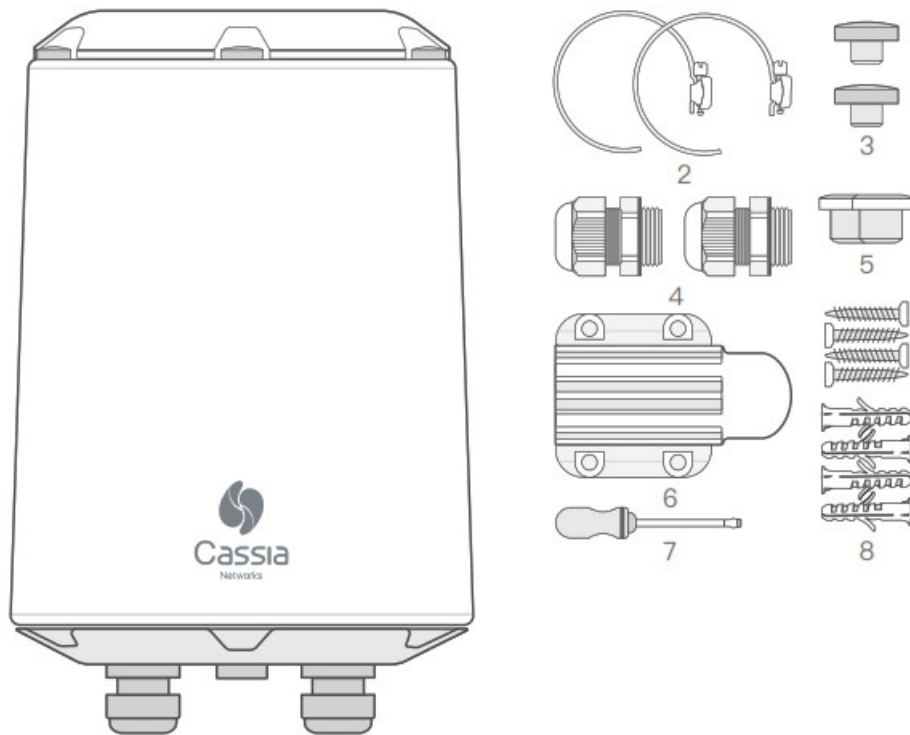


### CASSIA X2000 Bluetooth Router QUICK START GUIDE

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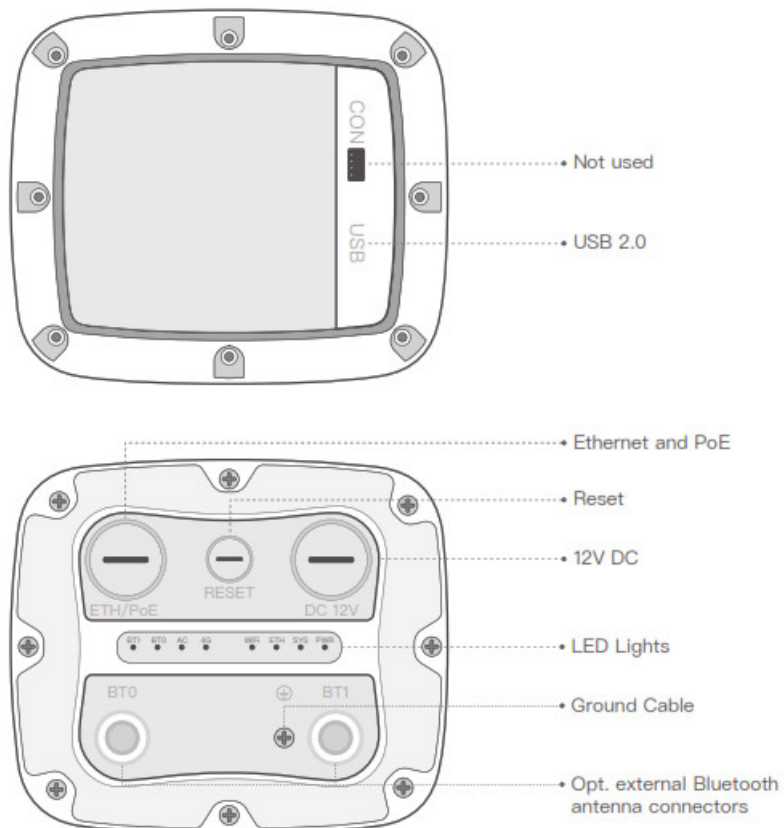
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#### INCLUDED IN PACKAGE



1. X2000 Router (1) 4. Cable Glands (2) 7. Slotted Screwdriver (1)	2. Pole Mounting Straps (2) 5. USB Hole Silicone Plug (1) 8. Anchors with Screws (2*4)	3. Extra Top Screw Covers (2) 6. Mounting Bracket (1) 9. Quick Start Guide (1)
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## HEAD & BASE



## MOUNTING & INSTALLATION

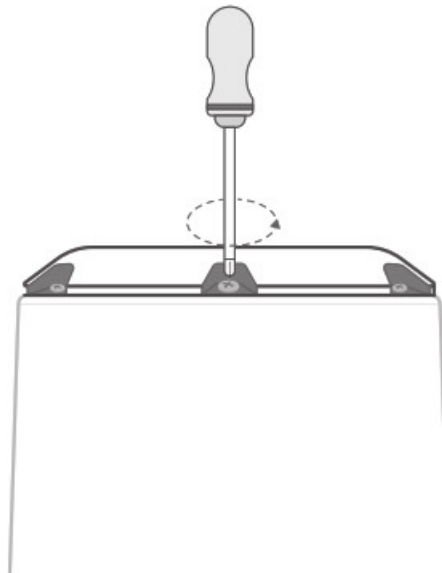
Please select the corresponding steps according to your router's configurations.

### 1) Install USB Cellular modem inside X2000

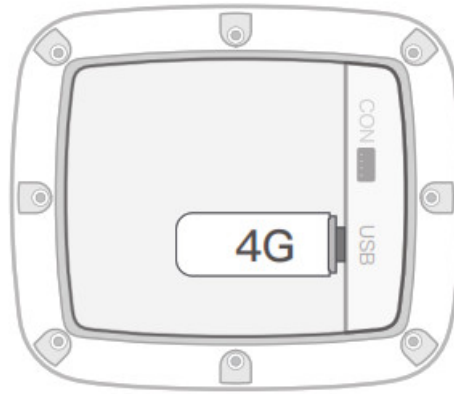
**Step 1** Remove the top screw cover



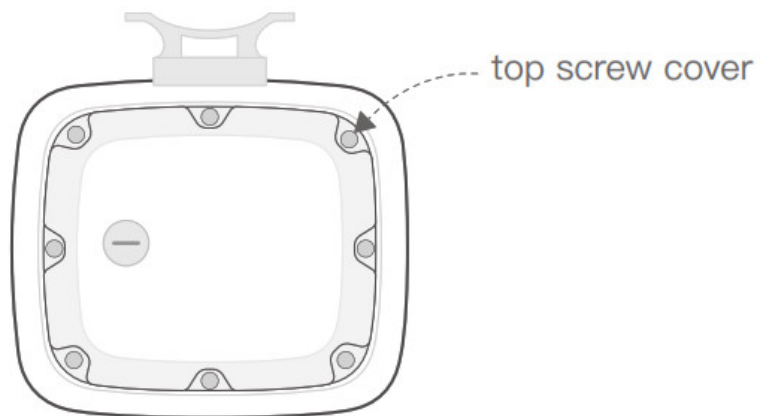
**Step 2** Use a cross screwdriver to open the top cap



**Step 3:** Connect USB cellular modem to the USB port

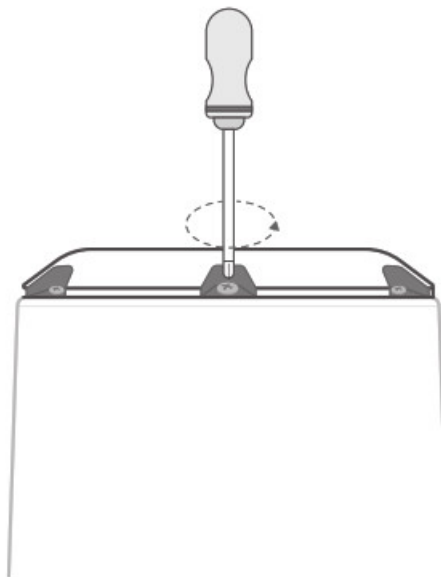


Step 4: Install the top cap, tighten the screws and insert the top screw cover

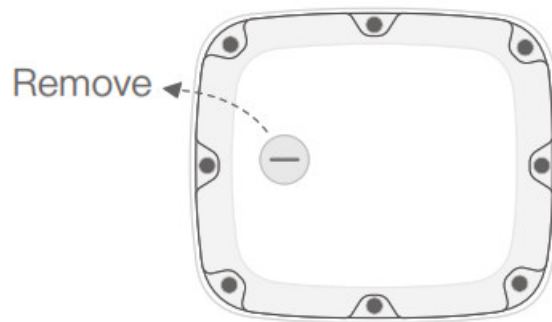


## 2) Install USB Cellular modem outside X2000

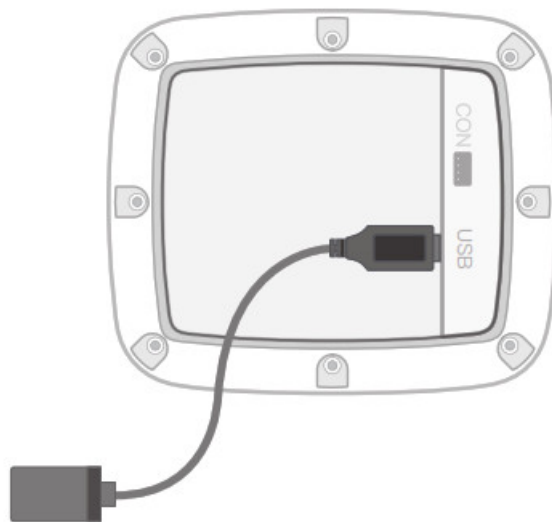
Step 1 Open the top cap



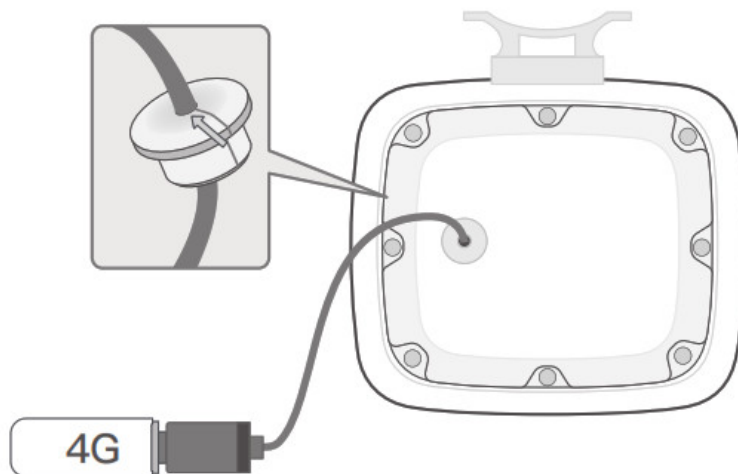
Step 2 Use a slotted screwdriver to remove the USB hole plug (M20X1.5. Please don't mix with the ETH/PoE plug)



Step 3: Connect USB cable to USB port

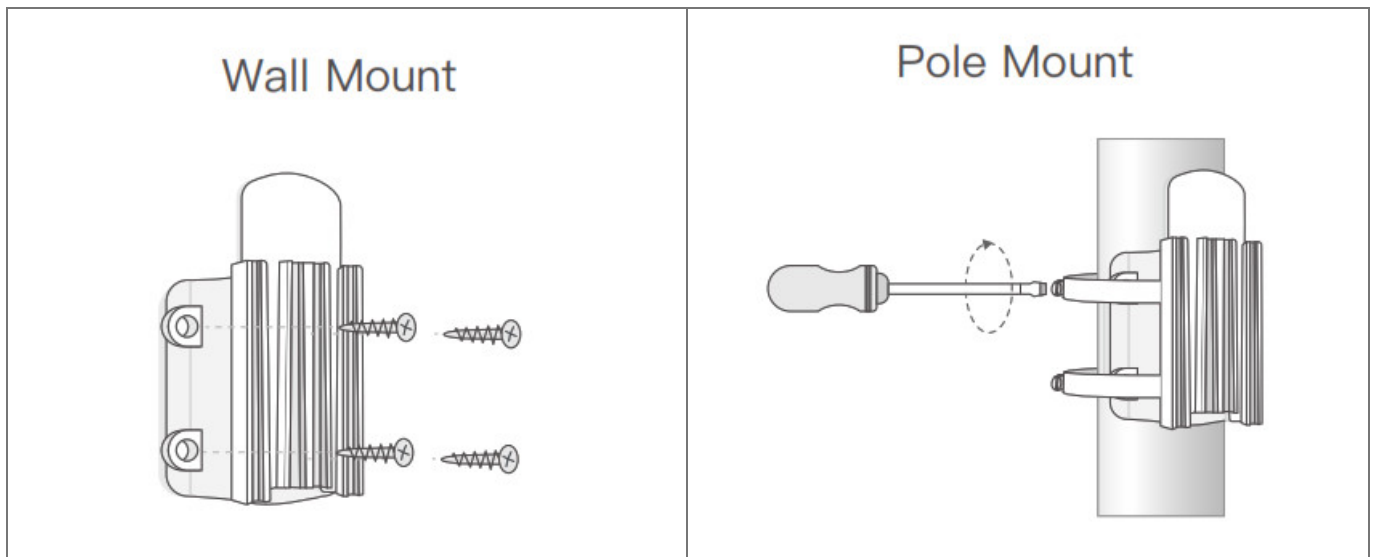


Step 4: Pass the USB cable through the USB hole, install the top cap, install the silicone plug-in USB hole, and then connect the USB cellular modem to USB cable

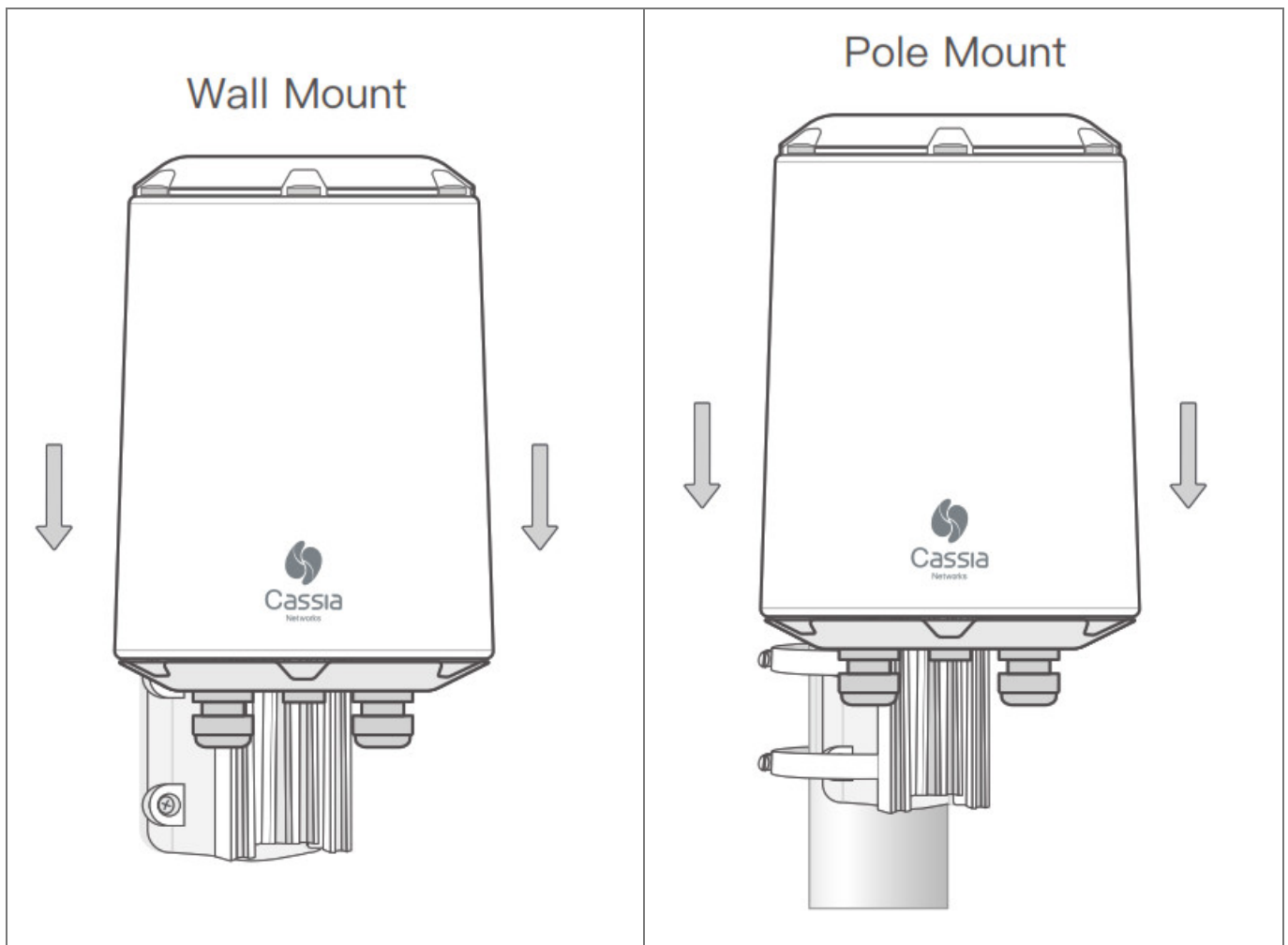


**3) Mount the X2000 mounting bracket in a vertical orientation onto a wall or pole with the supplied mounting kit**

**NOTE:** The side of the mounting bracket facing the wall and pole is sharp. Please don't hurt your hands.



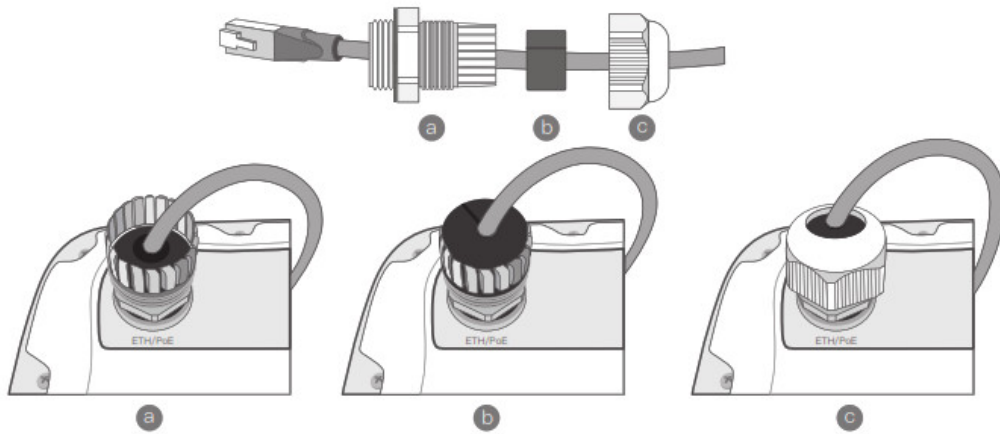
**4) Slide X2000 down on the X2000 mounting bracket**



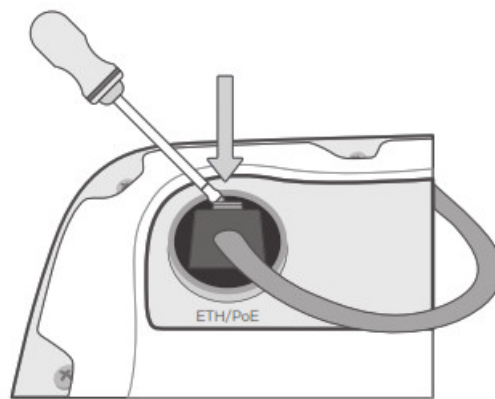
#### **5) Connect Ethernet cable and PoE**

Remove the ETH/PoE plug (M22X1.5. Please don't mix with the USB hole plug), pass the Ethernet cable through the cable gland, insert the RJ-45 connector into the Ethernet port of X2000, and tighten the cable gland in the order of a, b, c. The torque of step c should be less than the torque of step a.

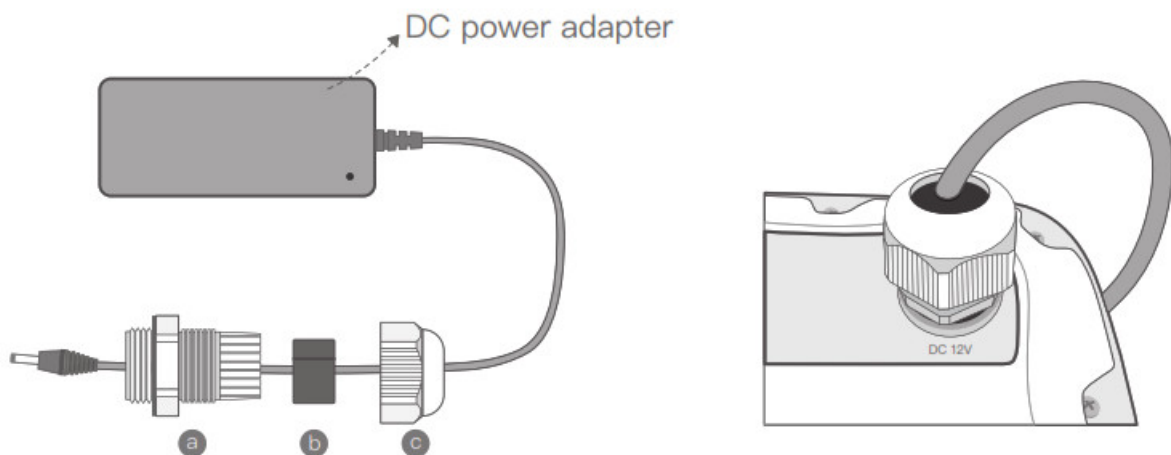
**NOTE:** When removing the cable gland, please follow the order of c, b, a. Otherwise X2000 will be damaged.



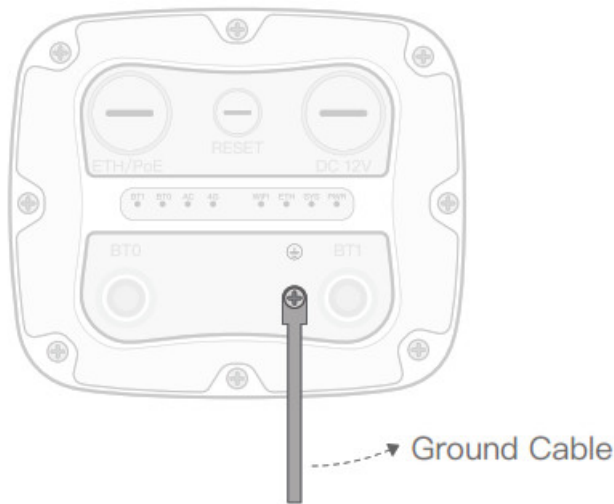
**NOTE:** In order to remove the Ethernet cable once it's been installed, please use the supplied screwdriver in the X2000 box or a small pointed tool of your choosing to depress the plastic release tab on the cable. See the image below.



6) Connect 12V DC power cable and cable gland to X2000 in the same way as step 5



7) For outdoor X2000 installations, please connect the ground cable to ensure X2000's safety



## SETUP BLUETOOTH ROUTER

### 1. Setup using Wi-Fi Hotspot

- The Cassia Bluetooth router provides a Wi-Fi hotspot for initial setup. Its SSID is cassia-xxxxxx. The xxxxxx is the last 6-digits of router MAC ID. The default password of the Wi-Fi hotspot is the same as SSID.
- Power on the Cassia router, search Wi-Fi hotspot SSID on your computer, then connect to the Wi-Fi hotspot.
- Please open an Internet browser on your computer, then enter the router's default IP address: 192.168.40.1. The default login is admin/admin.

### 2. Setup using an Ethernet connection

- Connect the Cassia Bluetooth router to a managed Ethernet switch and access the DHCP table or scan using a port scanning tool to locate the IP address assigned to the router's MAC ID.
- Open an Internet browser on a computer that is connected to the same network and enter the IP address discovered above. The default login is admin/admin.

As part of your first login, you will be prompted to change the default password. If you forget your password or can't find the Wi-Fi hotspot, please reset the router to default settings by pressing and holding the reset button for 10 seconds.

After login the router's configuration webpage, please follow Router Quick Start Guide in <https://www.cassianetworks.com/knowledge-base/general-documents/> to finish the router configuration.

## PRODUCT INTERFACE

Bluetooth Low Energy: 4.0/4.1/4.2/5.0

Wi-Fi: 802.11 a/b/g/n/ac, 2.4GHz and 5GHz ISM band

Ethernet: 10/100 Base-T

USB 2.0: supports USB cellular modem

Opt. external Bluetooth antenna connectors: 50 Ohm N type female connector

Reset button: Factory reset. Please remove the reset plug (M12X1.5) first

LED lights: BT/AC/4G/Wi-Fi/Ethernet/System/Power

## POWER

Power over Ethernet: 802.3af/at compliant source

Optional: 12V DC power adapter [1]

**NOTE:** Please don't use two power sources at the same time



## ENVIRONMENTAL

Operating temperature: -40°C to +65°C (-40°F to +149°F)

Humidity: 0% to 90% non-condensing

Storage and transportation temperature: -50°C to +70°C (-58°F to +158°F)

Wind resistance: up to 85-MPH sustained winds & 135-MPH gusts

IP rating: IP66

For additional assistance, please email: [support@cassianetworks.com](mailto:support@cassianetworks.com)

Connector type: Interior diameter 2.5 mm / outside diameter 5.5 mm, center +v / outer -v

Output voltage: 12V

Output power: Equal or larger than 12 W

## Federal Communications Commission (FCC) Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**NOTE:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For additional information, please go to: <https://www.cassianetworks.com>

## RF Exposure Warning

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

## EU Regulatory Conformance

Cassia Networks Inc., hereby declares that Cassia X2000 Series Bluetooth Router is in compliance with the directives listed below:

EMC Directive 2014/30/EU

Low Voltage Directive 2014/35/EU

RED Directive 2014/53/EU

REACH European Regulation (EC) No 1907/2006

RoHS Directive 2011/65/EU & 2015/863/EU

WEEE Directive 2012/19/EU

A Declaration of Conformity for these directives is available for viewing at <https://www.cassianetworks.com>



**Cassia Networks, Inc.**

<https://www.cassianetworks.com>

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## Documents / Resources

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 CASSIA X2000 Bluetooth Router QUICK START GUIDE  <small>Model: X2000/X2000L/X2000LX Copyright © 2016 Casavia Networks, Inc. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without permission in writing from Casavia Networks, Inc.</small>	<a href="#">Cassia X2000 Bluetooth Router</a> [pdf] User Guide X2000, 2ALGLX2000, X2000 Bluetooth Router, Bluetooth Router